

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	10/628,818
				Filing Date	07/28/2003
				First Named Inventor	Szyperski
				Art Unit	3737
				Examiner Name	Unknown
Sheet	1	of	2	Attorney Docket Number	19226/2201 (R-5771)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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/Y.G./	1	Fernández et al., "NMR with ¹³ C, ¹⁵ N-Doubly-Labeled DNA: The <i>Antennapedia</i> Homeodomain Complex with a 14-mer DNA Duplex," <i>Journal of Biomolecular NMR</i> 12:25-37 (1998)			
/Y.G./	2	Gehring et al., "(H)CCH-COSY and (H)CCH-COSY Experiments for ¹³ C-Labeled Proteins in H ₂ O Solution," <i>Journal of Magnetic Resonance</i> 135:185-193 (1998)			
/Y.G./	3	Yamazaki et al., "Two-Dimensional NMR Experiments for Correlating ¹³ Cβ and ¹ Hδ/ε Chemical Shifts of Aromatic Residues in ¹³ C-Labeled Proteins via Scalar Couplings," <i>J. Am. Chem. Soc.</i> 115:11054-11055 (1993)			

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/Y.G./	4	Shirra, "Three Dimensional NMR Spectroscopy," http://www.cryst.bbk.ac.uk/PPS2/projects/schirra/html/3dnmr.htm (1996)			
/Y.G./	5	Pang et al., "High-Resolution Detection of Five Frequencies in a Single 3D Spectrum: HNHCACO – A Bidirectional Coherence Transfer Experiment," <i>Journal of Biomolecular NMR</i> 11:185-1990 (1998)			
/Y.G./	6	Gardner et al., "The Use of ² H, ¹³ C, ¹⁵ N Multidimensional NMR to Study the Structure and Dynamics of Proteins," <i>Annu. Rev. Biophys. Biomol. Struct.</i> 27:357-406 (1998)			
/Y.G./	7	Sattler et al., "Triple Resonance Pulse Programs for ¹³ C, ¹⁵ N Labeled Proteins," http://www.embl-heidelberg.de/nmr/sattler/PP/pulseprograms.html (2001)			
/Y.G./	8	Tugarinov et al., "Four-Dimensional NMR Spectroscopy of a 723-Residue Protein: Chemical Shift Assignments and Secondary Structure of Malate Synthase G," <i>J. Am. Chem. Soc.</i> 124:10025-10035 (2002)			
/Y.G./	9	Kennedy et al., "Role for NMR in Structural Genomics," <i>Journal of Structural and Functional Genomics</i> 2:155-169 (2002)			

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/Y.G./	1	Szyperski et al., "Reduced Dimensionality in Triple-Resonance NMR Experiments," <u>J. Am. Chem. Soc.</u> , 115:9307-9308 (1993)			
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/Y.G./	3	Szyperski et al., "3D H ^{a/b} C ^{a/b} (CO)NHN, a Projected 4D NMR Experiment for Sequential Correlation of Polypeptide ¹ H ^{a/b} , ¹³ C ^{a/b} and Backbone ¹⁵ N and ¹ H ^N Chemical Shifts," <u>J. Magn. Reson.</u> , B105:188-191 (1994)			

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	5	Szyperski et al., "Useful Information from Axial Peak Magnetization in Projected NMR Experiments," <i>J. Am. Chem. Soc.</i> , 118:8146-8147 (1996)		
	6	Szyperski et al., "Two-Dimensional <i>c-t</i> -HC(C)H-COSY for Resonance Assignments of Smaller ¹³ C-Labeled Biomolecules," <i>J. Magn. Reson.</i> , 128:228-232 (1997)		
	7	Szyperski et al., "Sequential Resonance Assignment of Medium-Sized ¹⁵ N/ ¹³ C-Labeled Proteins with Projected 4D Triple Resonance NMR Experiments," <i>J. Biomol. NMR</i> , 11:387-405 (1998)		
	8	Liu et al., "NMR Experiments for Resonance Assignments of ¹³ C, ¹⁵ N Doubly-Labeled Flexible Polypeptides: Application to Human Prion Protein hPrP(23-230)," <i>J. Biomol. NMR</i> , 16:127-138 (2000)		
	9	Yamazaki et al., "Assignments of Backbone ¹ H, ¹³ C, and ¹⁵ N Resonances and Secondary Structure of Ribonuclease H from <i>Escherichia coli</i> by Heteronuclear Three-Dimensional NMR Spectroscopy," <i>Biochemistry</i> , 30:6036-6047 (1991)		
	10	Brutscher et al., "Determination of an Initial Set of NOE-Derived Distance Constraints for the Structure Determination of ¹⁵ N/ ¹³ C-Labeled Proteins," <i>J. Magn. Reson.</i> , B109:238-242 (1995)		
/Y.G./	11	Szyperski et al., "Reduced-Dimensionality NMR Spectroscopy For High-Throughput Protein Resonance Assignment," <i>PNAS</i> , 99:8009-8014 (2002)		

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